

# **Louisiana Department of Transportation and Development**

## **Phase II MS4 Annual Report March 10, 2004**

Louisiana Department of Environmental Quality  
Permit No. LAR040000 (AI 94338)

March 10, 2004

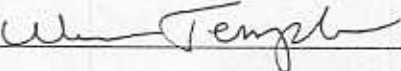
## Louisiana Department of Transportation and Development

### Annual Report Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name: William "Bill" Temple, P.E.

Title: DOTD Chief Engineer

Signature: 

Date: 3-10-04

**Annual Report  
Phase II MS4 General Permit  
LAR040000 (AI 94338)**

**Permittee: Louisiana Department of Transportation and  
Development  
Date: 03/03/2004**

**Introduction:**

The Louisiana Department of Transportation and Development (LaDOTD) (Permittee) has begun implementation of the Storm Water Management Program (SWMP) as required by the LaDEQ Phase II MS4 permit number LAR040000 (AI 94338). The activities during this first permit year include primarily planning, budgeting and evaluation activities for most Best Management Practices (BMPs) included in the SWMP. Implementation, data tracking and other pertinent tasks are scheduled for the second and third reporting periods.

The LaDEQ small MS4 permit requires that the following information be submitted in each annual report by March 10<sup>th</sup> of each year during the permit term.

*...You must submit annual reports to LDEQ by March 10 for the preceding calendar year. Your report must include:*

- 1. The status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving your identified measurable goals for each of the minimum control measures;*
- 2. Results of information collected and analyzed, including monitoring data, if any, during the reporting period;*
- 3. A summary of the storm water activities you plan to undertake during the next reporting cycle; and*
- 4. A change in any identified measurable goals that apply to the program elements...*

The LaDOTD has prepared this annual report in compliance with this requirement. The annual report is divided into 4 sections corresponding to the 4 requirements listed above.

## **SECTION 1 Status of Compliance**

This section of the Report covers the following subjects:

- The status of the compliance with permit conditions
- An assessment of the appropriateness of the identified BMPs
- Progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP
- The measurable goals for each of the Minimum Control Measures (MCMs), and an evaluation of the success of the implementation of the measurable goals

According to 40CFR122.34, the combined focus of implementing the Storm Water Management Program composed of the 6 minimum measures is to achieve the primary objective of the Phase II MS4 program which is; "...develop, implement, and enforce a storm water management program designed to reduce the discharge of pollutants from your MS4 to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate water quality requirements of the Clean Water Act".

### ***The status of the compliance with permit conditions***

The permittee is in compliance with the Phase II MS4 General Permit conditions.

- The permittee has developed a comprehensive storm water management program (SWMP) according to the requirements of the permit including BMP's, measurable goals, and implementation schedules for each of the 6 minimum measures.
- For this annual report, the permittee has evaluated it's compliance with regard to the SWMP implementation schedule. Currently, the permittee is in compliance with the previously submitted implementation schedule.

### ***An assessment of the appropriateness of the identified BMPs***

The permittee has determined that the BMPs developed and implemented according to the SWMP are appropriate to reach the goals of the Phase II MS4 General Permit conditions.

- The permittee has developed a comprehensive storm water management program (SWMP) according to the requirements of the permit including BMP's, measurable goals, and implementation schedules for each of the 6 minimum measures.
- For this annual report, the permittee has assessed the appropriateness of each BMP and does not request changes to the SWMP as noted in Section 4.

### ***Progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP***

Implementation of best management practices consistent with the provisions of the storm water management program required by the permit constitutes compliance with the standard of reducing pollutants to the "maximum extent practicable" or MEP.

- The permittee has developed a comprehensive storm water management program (SWMP) according to the requirements of the permit including BMP's, measurable goals, and implementation schedules for each of the 6 minimum measures.
- For this annual report, the permittee has evaluated it's compliance with regard to the SWMP implementation schedule and has assessed the appropriateness of each BMP as described in the previous two paragraphs of this report. Currently, the permittee has made progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP.

***The measurable goals for each of the MCMs, and an evaluation of the success of the implementation of the measurable goals***

The permittee has implemented the measurable goals according to the identified schedule. In section 2 of this report the measurable goals for each BMP are listed with details about compliance activities associated with each measurable goal required in the first permit year activities.



## **SECTION 2 Summary of Results**

This section of the Report covers a summary of the results of information collected and analyzed, if any, during the reporting period, including monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP.

The data is presented for each BMP included in the SWMP.

### **Minimum Measure: 1.0 Public Education**

#### **BMP Report: Storm Water Quality Web-Site**

**BMP:** Storm Water Quality Web-Site

**BMP Description:** Development and maintenance of a website designed to educate the public on storm water quality issues.

#### **Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Develop a list of subjects for inclusion and discussion in the website based on consideration of the following subjects:

- Mechanisms for citizen reporting under the illicit discharge and construction programs (LaDOTD web-site and phone numbers for reporting illicit discharges, construction related water quality issues, spills, dumping and illegal disposals and other potential storm water quality problems)
- Water quality impacts of storm water runoff to local water bodies
- Steps the public can take to reduce storm water pollution
- Public involvement programs (Adopt-A-Highway overview and contact information and SWMP Committee contact information)

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: A list of topics was developed and added to the database.

Task: 2. Develop a website maintenance schedule that is consistent with the implementation schedule of other BMP's included in this SWMP.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: A web site maintenance schedule was produced on. The schedule calls for updating the web pages on an annual basis, if needed.

### **Compliance with Measurable Goals:**

Goal: *Develop a list of subjects for inclusion and discussion in the storm water quality website.*

Permit Year: 1

Activity Conducted: A list of topics was developed for inclusion in the storm water quality website.

### **Accumulated data:**

The LaDOTD plans to track website traffic and website updates when the final website is published.

### **Topics Covered by the BMP:**

The storm water quality website will cover the following topics.

1. Citizen reporting of storm water quality problems
2. Impacts to local water bodies
3. Steps the public can take to reduce storm water pollution
4. Public involvement programs

### **BMP Report: Flyers and Brochures**

#### **BMP: Flyers and Brochures**

**BMP Description:** Development of flyers and brochures for the purpose of educating the public on storm water quality issues.

### **Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Develop a list of subjects for inclusion and discussion in the flyers and brochures based on the consideration of the following subjects:

- Mechanisms for citizen reporting under the illicit discharge and construction programs (LaDOTD web-site and phone numbers for reporting illicit discharges, construction related water quality issues, spills, dumping and illegal disposals and other potential storm water quality problems)
- Water quality impacts of storm water runoff to local water bodies
- Steps the public can take to reduce storm water pollution

- Public involvement programs (Adopt-A-Highway overview and contact information and SWMP Committee contact information)

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: A list of topics was developed for inclusion and discussion in the flyers and brochures.

#### **Compliance with the Measurable Goal:**

Goal: *Develop a list of subjects for inclusion and discussion in storm water flyers and brochures.*

Permit Year: 1

Activity Conducted: A list of subjects for inclusion and in storm water flyers and brochures was developed and are listed in the Topics Covered by the BMP section of this BMP report.

#### **Accumulated data:**

The LaDOTD will track the production and distribution of flyers and brochures when final materials are developed and distributed.

#### **Topics Covered by the BMP:**

The flyers and brochures will cover the following topic.

1. Citizen reporting of storm water quality problems
2. Impacts to local water bodies
3. Steps the public can take to reduce storm water pollution
4. Public involvement programs

### **BMP Report: Education of School Children on the Importance of Water Quality**

**BMP:** Education of School Children on the Importance of Water Quality

**BMP Description:** Development and incorporation of age appropriate presentations and projects that focus on water quality issues into existing LaDOTD school partnerships.

This BMP is scheduled for implementation in the next two years of the 5 year SWMP implementation schedule.



## **BMP Report: Public Service Announcements**

### **BMP: Public Service Announcements**

**BMP Description:** Development and broadcasting of public service announcements (PSA's) that focus on the impacts of storm water runoff on local water bodies and steps the public can take to reduce storm water pollution.- Anti-litter Campaigns- General Storm Water Quality Issues

#### **Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Develop a list of storm water issues based on BMP's selected in the SWMP.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: Developed a list of storm water issues based on BMP's selected in the SWMP.

Task: 2. Identify issues to be included in the PSA's.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The LaDOTD will develop PSA's on selected water quality issues over the next two year.

Task: 7. Annually report on the types of PSA's under this program.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: A list of topics was developed and is included in this BMP report as Topics to be covered by this BMP.

#### **Compliance with the Measurable Goal:**

Goal: *Identify appropriate issues to be included in the public service announcements.*

Permit Year: 1

Compliance activities: A list of topics was identified and are listed in the Topics Covered by the BMP.

#### **Accumulated data:**

The LaDOTD will develop and begin tracking PSA data in the next two reporting years.

### **Topics Covered by the BMP:**

1. Anti-litter Campaign messages
2. The importance of water quality

### **BMP Report: Impacts of Illegal Dumping and Littering**

#### **BMP:** Impacts of Illegal Dumping and Littering

**BMP Description:** Development and distribution of public education materials that focus on the impacts of illegal dumping and littering on local water bodies as well as methods for the public to report illegal dumping and/or litter occurrences and locations of incidents.

Implementation of this BMP is scheduled for the next two reporting years. The LaDOTD plans to track the number of types of public education materials on litter reduction and the importance of general water quality when the various educational methods are implemented.

### **BMP Report: Public Education on Construction Activities and New Development Activities**

#### **BMP:** Public Education on Construction Activities and New Development Activities

**BMP Description:** Development and distribution of public education materials that focus on the impacts of construction site runoff and steps the public can take to report the occurrence of potential construction related storm water quality problems.

Implementation of this BMP is scheduled for the next two reporting years. The LaDOTD plans to track the number of types of public education materials on litter reduction and the importance of general water quality when the various educational methods are implemented.

## **Minimum Measure: 2.0 Public Involvement**

### **BMP Report: Adopt-A-Highway Program**

**BMP:** Adopt-A-Highway Program

**BMP Description:** Volunteer cleanup of highway segments.

#### **Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Identify target highways, or highway segments to include in the Adopt-A-Highway program.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 03/10/2004

Description of Action Taken: Each LaDOTD district keeps track of highway segments that have been adopted and which highway segments that would be safe for adoption.

Task: 2. Identify local public organizations or businesses that may be interested in participation in the program.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 03/10/2004

Description of Action Taken: The LaDOTD will include the Adopt-A-Highway program information in the LaDOTD storm water website.

#### **Compliance with the Measurable Goal:**

Goal: 1 Identify target highways, or highway segments, to be included in the Adopt-A-Highway program.

Year: 1

Activity Conducted: Each district keeps track of highway segments that have been adopted and which highway segments that would be safe for adoption.

#### **Accumulated data:**

The DOTD currently has roadway segments under adoption and is tracking the volume of litter removed during volunteer collection events.

**BMP Report: SWMP Committee**

**BMP: SWMP Committee**

**BMP Description:** Formation of a committee to consider issues relative to SWMP program development and implementation

**Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Develop a list of BMP's which are included in the SWMP that would benefit by including local committee review of the following types of items:

- Public education materials
- Local illicit discharge elimination regulations and investigation procedures
- Construction guidance materials, permitting procedures, and inspection procedures
- Post-construction BMPs and guidance information
- Feedback on good housekeeping practices and training

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 03/10/2004

Description of Action Taken: All BMPs will be discussed and evaluated at each SWMP committee meeting.

Task: 2. Invite LaDOTD personnel involved in SWMP implementation and the general public by regular notice procedures to serve on the committee.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 03/10/2004

Description of Action Taken: LaDOTD personnel have been appointed to the SWMP committee representing effected DOTD departments.

Task: 3. Develop meeting schedules that correlate to required implementation dates for certain BMP tasks.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 03/10/2004

Description of Action Taken: The SWMP Committee will meet annually in August and invite the public for public comments on the SWMP.

**Compliance with the Measurable Goal:**

Goal: 1 Invite and appoint members of the public, design, construction and development communities, MS4 personnel, and other persons affected by the various BMPs to participate on the SWMP Committee.

Permit Year: 1

Activity Conducted: LaDOTD personnel have been appointed to the SWMP committee representing effected DOTD departments.



**Accumulated data:** SWMP Committee meetings will be scheduled within the next two reporting periods.

### **Minimum Measure: 3.0 Illicit Discharge Detection and Elimination**

Tasks for the illicit discharge detection and elimination minimum measure will be implemented in permit years 2 through 5. The first year was reserved for budgeting, planning, base map planning and tracking system considerations. Therefore, no data was collected during the first permit year.

## **Minimum Measure 4.0 Construction Site Runoff**

### **BMP Report: Construction Plans Review**

**BMP:** Construction Inspection Procedures

**BMP Description:** Develop inspection procedures and educate the LaDOTD construction community on LaDOTD storm water guidelines related to construction activities.

#### **Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Review, evaluate and revise LaDOTD construction storm water guidelines to be consistent with EPA construction erosion control specifications.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 03/10/2004

Description of Action Taken: The LaDOTD is currently revising construction specification and guidance materials to be consistent with the Phase II general construction permit requirements.

#### **Compliance with the Measurable Goal:**

Goal: *Develop final LaDOTD construction storm water guidelines consistent with the EPA construction erosion control specifications.*

Permit Year: 1

Activity Conducted: The LaDOTD is currently revising construction specification and guidance materials to be consistent with the Phase II general construction permit requirements.

### **BMP Report: Construction Plans Review**

**BMP:** Construction Plans Review

**BMP Description:** Implement a construction plans review process that focuses on compliance with LaDOTD construction storm water guidelines.

#### **Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Develop procedures to require contractors to develop and submit project/site-specific erosion control plans, including a spill control plan, if applicable.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 03/10/2004

Description of Action Taken: The LaDOTD is currently revising construction specification and guidance materials to be consistent with the Phase II general construction permit requirements.

Task: 2. Develop internal tracking and plan review procedures to address the following issues:

- Conformance to final storm water guidelines
- Appropriate use of temporary erosion controls
- Inclusion of any required local, state, and/or federal storm water permit documents.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 03/10/2004

Description of Action Taken: The LaDOTD is currently developing a system to track construction site plan review and construction site inspections.

Task: 6. Annually report on the number of plans approved under the plans review program.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The number of construction plans that were approved for construction during this permit term is indicated below in the accumulated data section.

#### **Compliance with the Measurable Goal:**

Goal: *Develop a process to obtain construction plans for review to determine compliance with local construction storm water regulations.*

Permit Year: 1

Activity Conducted: The LaDOTD project engineer for each construction project receives, reviews and approves construction plans.



**Accumulated data:**

Total number of approved construction plans by District:

District	Quantity	Units
District #4	33	Plans
District #61	13	Plans
District #3	23	Plans
District #5	1	Plan
District #62	2	Plans
District #2	10	Plans
District #58	6	Plans
District #08	17	Plans

**BMP Report: Construction Site Inspection**

**BMP:** Construction Site Inspection

**BMP Description:** Conduct inspections of LaDOTD construction sites that discharge storm water to the MS4 to determine compliance with LaDOTD construction storm water guidelines.

**BMP Reporting Requirement:** Annually report on the number of construction site storm water permit inspections under this program.

The LaDOTD currently conducts inspections at all active constructions sites covered by the LaDEQ construction general permit. The LaDOTD has incorporated Phase II construction storm water guidelines into existing Phase I construction specifications for construction general permit compliance.

**Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 6. Annually report on the number of construction site storm water permit inspections under this program.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The LaDOTD is developing a formal tracking process for construction site inspections.

**Compliance with the Measurable Goal:**

All measurable goals under this BMP will be evaluated in the third year of the permit term.

### **BMP Report: Construction Community Education**

#### **BMP: Construction Community Education**

**BMP Description:** Development and distribution of educational materials that focus on LaDOTD construction storm water guidelines, and plan review and site inspection procedures that affect the LaDOTD construction community.

**BMP Reporting Requirement:** Annually report on educational materials distributed, attendance at presentations, and identity of any changes made to local construction storm water regulations.

The LaDOTD is currently planning construction community educational efforts for the third year of the permitting program. The LaDOTD has begun the budgeting process for this BMP.

**This BMP is scheduled for implementation in the next two years of the 5 year SWMP implementation schedule.**

### **BMP Report: Construction Related Public Reporting**

#### **BMP: Construction Related Public Reporting**

**BMP Description:** Provide the public with a mechanism to report and receive feedback on construction related storm water problems.

**BMP Reporting Requirement:** Annually report on the quantity of public reports received under this program.

#### **Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Develop a mechanism to be used by the public for reporting of LaDOTD construction sites with potential storm water quality problems. (Post a phone number at construction site entrances and website reporting page)

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The LaDOTD plans to incorporate mechanisms that will allow the public to report construction sites with potential storm water quality problems and other potential water quality problems. The mechanisms include signs posted at construction site entrances with phone numbers posted. The LaDOTD will include an environmental reporting feature in the LaDOTD website.

Task: 2. Ensure that the mechanisms developed address the following items:

- Contact methods for reporting public observations
- Information required for a complete public report on a potential construction related storm water quality problem

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The construction site entrance signs and the LaDOTD website will include the phone number and website address for the public reports of environmental issues.

#### **Compliance with the Measurable Goal:**

*Goal: Develop construction related public reporting educational materials instructing the public in procedures for reporting to the permittee construction sites with potential storm water quality problems or local construction storm water regulation violations.*

Permit Year: 1

Activity Conducted: The LaDOTD plans to incorporate mechanisms that will allow the public to report construction sites with potential storm water quality problems and other potential water quality problems. The mechanisms include signs posted at construction site entrances with phone numbers posted. The LaDOTD will include an environmental reporting feature in the LaDOTD website.

*Goal: Develop an internal tracking system to accept and issue acknowledgments of receipt of information reported by the public.*

Permit Year: 1

Activity Conducted: The LaDOTD will track and report the number of public reports received under this program after full implementation.

## **Minimum Measure 5.0 Post-Construction Runoff**

### **BMP Report: Development of Project Inspection Procedures**

#### **BMP: Development of Project Inspection Procedures**

**BMP Description:** Develop inspection forms and procedures for new highway development and re-development project inspections based on the LaDOTD post-construction runoff guidelines.

The Development of project inspection procedures for post-construction control measures is scheduled for implementation in the next two reporting years.

### **BMP Report: New Development and Re-development Project Inspection**

#### **BMP: New Development and Re-development Project Inspection**

**BMP Description:** Inspect LaDOTD development and re-development projects to ensure conformance to maintenance schedules and LaDOTD post-construction guidelines.

The new and re-development project inspection BMP for post-construction control measures is scheduled for implementation in the next two reporting years.

### **BMP Report: Protection of Sensitive and/or Impaired Water Bodies**

#### **BMP: Protection of Sensitive and/or Impaired Water Bodies**

**BMP Description:** Identify sensitive water bodies and stream segments with approved TMDL allocations and implement appropriate pollution control strategies.

#### **Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Identify sensitive or impaired water bodies located within the permit coverage area.



Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The LaDOTD has developed a list of 303d listed water bodies (impaired water bodies) within the permit coverage areas. The DOTD is currently working with the list to identify impaired water bodies within the coverage area.

**Compliance with the Measurable Goal:**

Goal: *Identify sensitive or impaired water bodies located within the MS4 jurisdiction or permit coverage area.*

Permit Year: 1

Activity Conducted: The LaDOTD has developed a list of 303d listed water bodies (impaired water bodies) within the permit coverage areas. The DOTD is currently working with the list to identify impaired water bodies within the coverage area.

**BMP Report: Participation in Local Watershed Planning and Modeling**

**BMP:** Participation in Local Watershed Planning and Modeling

**BMP Description:** Participate in local watershed planning meetings in order to stay informed of local surface water quality issues, Total Maximum Daily Loads (TMDL) initiatives, and pollutants of concern for impaired or sensitive water bodies.

**Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Identify local watershed planning and monitoring organizations.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The LaDOTD is in the process of identifying watershed planning and monitoring organizations that conduct the LDEQ Clean Rivers Program. The LaDOTD plans to attend steering committee meetings in order to obtain a clear understanding of surface water quality in each permit area, possible TMDL requirements, and status of impaired water bodies.

**Compliance with the Measurable Goal:**

Goal: *Identify local watershed planning and monitoring organizations.*

Permit Year: 1

Activity Conducted: The LaDOTD is in the process of identifying watershed planning and monitoring organizations that conduct the LDEQ Clean Rivers Program. The LaDOTD plans to attend steering committee meetings in order to obtain a clear understanding of surface water quality in each permit area, possible TMDL requirements, and status of impaired water bodies.

## **Minimum Measure: 6.0 Good Housekeeping**

### **BMP Report: Herbicide Application**

#### **BMP: Herbicide Application**

**BMP Description:** Train herbicide application employees on the proper use of herbicide products.

#### **Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Develop an inventory of areas designated for herbicide application including the following:

- Area of application
- Type of herbicide applied
- Purpose of application

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: Each LaDOTD district keeps records of herbicide application areas.

Task: 2. Develop a preliminary herbicide application schedule.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: A preliminary seasonal schedule for herbicide application is maintained by each LaDOTD district.

Task: 3. Comply with local, state, and federal regulations associated with herbicide application, e.g. licensing regulations.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The LaDOTD has continued to remain in compliance with regulations related to herbicide application, training and applicator licensing.

Task: 4. Track the volume and type of herbicide applied at each location.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: Herbicide application volumes are tracked by each licensed applicator employed by the LaDOTD.

Task: 6. Annually report on the total volume of herbicide applied.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The LaDOTD collects the herbicide application volumes from each District and compiles the information. The total volumes of herbicide applied by each district are reported in each annual report.

### **Compliance with the Measurable Goal:**

*Goal: Develop an inventory of areas designated for herbicide and pesticide application.*

Permit Year: 1

Activity Conducted: Each LaDOTD district keeps records of herbicide application areas.

*Goal: Comply with local, state, and federal regulations associated with pesticide and herbicide application.*

Permit Year: 1

Activity Conducted: The LaDOTD has continued to remain in compliance with regulations related to herbicide application, training and applicator licensing.

### **Accumulated data:**

#### **Herbicide Application by Phase II MS4 parishes**

Acadia	6,005.3	Acres Sprayed
Ascension	1,247	Acres Sprayed
Assumption	2,245.75	Acres Sprayed
Bossier	178.8	Acres Sprayed
Caddo	6,248	Acres Sprayed
Calcasieu	4,830	Acres Sprayed
E Baton Rouge	2,600	Acres Sprayed
Iberia	2,004.3	Acres Sprayed
Jefferson	60	Acres Sprayed
Lafayette	1,232.32	Acres Sprayed
Lafourche	2,770	Acres Sprayed
Livingston	2,221	Acres Sprayed
Orleans	46	Acres Sprayed
Ouachita	1,729	Acres Sprayed
Rapides	5,563.75	Acres Sprayed
St Charles	73	Acres Sprayed
St Martin	1,755	Acres Sprayed
St Tammany	1,186	Acres Sprayed
Terrebonne	1,624	Acres Sprayed
Vermilion	3,144	Acres Sprayed
W Baton Rouge	1,591.6	Acres Sprayed
<b>Total</b>	<b>48,355.57</b>	<b>Acres Sprayed</b>



## **BMP Report: Employee Training**

### **BMP: Employee Training**

**BMP Description:** Develop and conduct employee training programs that focus on right-of-way maintenance, fleet and building maintenance, construction activities, illicit discharge detection and reporting and MS4 maintenance.

**This BMP is scheduled for implementation in the next two years of the 5 year SWMP implementation schedule.**

## **BMP Report: Assess Pavement Preservation Activities**

### **BMP: Assess Pavement Preservation Activities**

**BMP Description:** Assess pavement preservation activities and modify procedures to reduce storm water quality impacts.

#### **Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Assess current pavement preservation activities to determine if modification of current practices would benefit storm water quality.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The LaDOTD has evaluated current pavement preservation activities for water quality impacts. The LaDOTD is currently developing additional guidance materials to address impacts to related to storm water runoff from overlay projects.

#### **Compliance with the Measurable Goal:**

Goal: *Assess current roadway maintenance activities to determine if modification to current practices would benefit storm water quality.*

Permit Year: 1

Activity Conducted: The LaDOTD has evaluated current pavement preservation activities for water quality impacts. The LaDOTD is currently developing additional guidance materials to address impacts to related to storm water runoff from overlay projects.

## **BMP Report: Catch Basin Cleaning**

**BMP: Catch Basin Cleaning**

**BMP Description:** Reduce sediment and floatable materials discharges by routinely cleaning MS4 catch basin and storm water inlet structures.

**Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Continued implementation of the catch basin cleaning program on an as-needed schedule.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: Continued implementation of the catch basin cleaning program on an as-needed schedule at LaDOTD districts.

Task: 2. Maintain records of the estimated quantity of materials removed from catch basins and surface inlet structures.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The LaDOTD is currently developing methods for estimating catch basin cleaning impacts.

Task: 3. Evaluate the catch basin cleaning schedule on an annual basis.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: LaDOTD districts provided data and information about how the program is implemented.

Task: 4. Annually report on the estimated quantity of materials removed during cleaning activities.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The estimated quantity of materials removed is reported in Accumulated Data.

**Compliance with the Measurable Goal:**

Goal: *Continued implementation of the catch basin cleaning program on an as-needed schedule.*

Permit Year: 1

Activity Conducted: Continued implementation of the catch basin cleaning program on an as-needed schedule at LaDOTD districts.

**Accumulated data:**

**Accumulated data:**

Catch basin cleaning information is tracked in conjunction with other drainage structure repairs. The data below indicates the number of locations that drainage structures were cleaned or repaired by each Phase II MS4 parish.

Parish	Quantity	Units
Acadia	223	Locations
Ascension	35	Locations
Assumption	11	Locations
Bossier	12	Locations
Caddo	676	Locations
Calcasieu	364	Locations
E Baton Rouge	525	Locations
Iberia	89	Locations
Jefferson	683	Locations
Lafayette	147	Locations
Lafourche	135	Locations
Livingston	126	Locations
Orleans	737	Locations
Ouachita	25	Locations
Plaquemines	220	Locations
Rapides	1,281	Locations
St Bernard	94	Locations
St Charles	113	Locations
St Martin	240	Locations
St Tammany	297	Locations
Terrebonne	186	Locations
Vermilion	128	Locations
W Baton Rouge	113	Locations
Total	6,462	Locations

**BMP Report: Vehicle Maintenance**

**BMP: Vehicle Maintenance**

**BMP Description:** Maintain LaDOTD owned vehicles according to manufacturer's specifications and identify and eliminate vehicle fluid leaks.

**Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Develop and maintain an inventory of LaDOTD owned vehicles.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The LaDOTD currently maintains a database of vehicles and tracks maintenance of vehicles according to manufacturers' specifications.

**Compliance with the Measurable Goal:**

Goal: *Develop and maintain an inventory of LaDOTD owned vehicles.*

Permit Year: 1

Activity Conducted: The LaDOTD currently maintains a database of vehicles and tracks maintenance of vehicles according to manufacturers' specifications.

**BMP Report: Spill Prevention Plans**

**BMP: Spill Prevention Plans**

**BMP Description:** Comply with federal Spill Prevention Control and Countermeasures (SPCC) plan regulations, and review spill response procedures to ensure storm water quality protection measures are considered during spill response.

**Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Evaluate each LaDOTD owned facility and determine if Spill Prevention Control and Countermeasures plans (SPCC) are required.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The LaDOTD is currently evaluating district facilities to determine the current status of SPCC compliance needs.

**Compliance with the Measurable Goal:**

Goal: *Develop an inventory of permittee owned facilities that may be required to have Spill Prevention Control and Countermeasures Plans (SPCC Plans).*

Permit Year: 1

Activity Conducted: The LaDOTD is currently evaluating district facilities to determine the current status of SPCC compliance needs.



## **BMP Report: Illegal Dumping**

### **BMP: Illegal Dumping**

**BMP Description:** Identify and investigate illegal dumping locations owned by the LaDOTD in order to determine the source of materials and report identified illegal dumpers to the appropriate local agency with legal authority.

#### **Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Conduct an initial inspection of the MS4 jurisdiction in order to identify existing illegal dumping locations.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The LaDOTD has conducted initial inspections of known dumping locations. The locations were identified by maintenance supervisors and litter collection staff.

#### **Compliance with the Measurable Goal:**

No measurable goals due this reporting year.

## **BMP Report: Street Sweeping**

### **BMP: Street Sweeping**

**BMP Description:** Sweeping of streets and roadways in order to reduce the amount of sediment and associated pollutants discharged to the MS4 from roadways.

#### **Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task: 1. Identify the type of roadways that can be swept to remove sediment and other pollutants from the gutters, i.e. roadways with curb and gutter design.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The LaDOTD has continued implementation of street sweeping. The LaDOTD plans to continue sweeping all highways with curb and gutter design and elevated interstate sections located within urbanized areas. A final inventory of these sections and frequencies will be developed in the next permit year.

**Compliance with the Measurable Goal:**

Goal: *Identify the type of roadways that can be swept to remove sediment and other pollutants from the gutters.*

Permit Year: 1

Activity Conducted: The LaDOTD has continued implementation of street sweeping. The LaDOTD plans to continue sweeping all highways with curb and gutter design and elevated interstate sections located within urbanized areas. A final inventory of these sections and frequencies will be developed in the next permit year.

**BMP Report: Litter Collection**

**BMP: Litter Collection**

**BMP Description:** Evaluate and conduct litter collection in order to reduce the discharge of floatable materials to receiving streams.

**Compliance with the implementation schedule:**

The permittee is currently in compliance with the implementation schedule as established in the SWMP Implementation Schedule. The following tasks were implemented according to the implementation schedule.

Task 1. Develop an inventory of litter collection areas and existing programs.

Implementation Schedule Date: 3/10/2004

Actual Implementation Date: 3/10/2004

Description of Action Taken: The LaDOTD currently keeps an inventory of litter collection areas for each litter collection program at each District.

**Compliance with the Measurable Goal:**

Goal: *Develop an inventory of litter collection areas delineated based on dominant land use.*

Permit Year: 1

Activity Conducted: The LaDOTD currently keeps an inventory of litter collection areas for each litter collection program at each District.

### Accumulated Data:

Contract Litter Collection:  
Litter collection volumes by Phase II Parish.

PARISH	QTY	UNITS
Calcasieu	955	CU YDS Hauled
Livingston	2,324.4	CU YDS Hauled
Ouachita	181	CU YDS Hauled
St Tammany	2,896	CU YDS Hauled
Total	6,357.12	

DOTD Personnel Litter Collection:  
Litter collection volumes by Phase II Parish.

PARISH	QTY	UNITS
Acadia	566.7	CU YDS Hauled
Ascension	28	CU YDS Hauled
Bossier	21	CU YDS Hauled
Calcasieu	1,350.5	CU YDS Hauled
E Baton Rouge	12,510	CU YDS Hauled
Iberia	41	CU YDS Hauled
Jefferson	1,602	CU YDS Hauled
Lafourche	203	CU YDS Hauled
Orleans	5,557.6	CU YDS Hauled
Plaquemines	56.5	CU YDS Hauled
St Charles	1,110	CU YDS Hauled
St Tammany	353.19	CU YDS Hauled
Terrebonne	130	CU YDS Hauled
Vermilion	8.1	CU YDS Hauled
Total	23,537.59	

DOTD Personnel Litter Collection:  
Litter collection volumes by Phase II Parish.

PARISH	QTY	UNITS
Ascension	90	CU YDS Hauled
Bossier	27	CU YDS Hauled
Caddo	51	CU YDS Hauled
Calcasieu	47	CU YDS Hauled
E Baton Rouge	1,665	CU YDS Hauled
Jefferson	294	CU YDS Hauled
Lafayette	471	CU YDS Hauled
Lafourche	48	CU YDS Hauled
Livingston	123	CU YDS Hauled
Ouachita	5	CU YDS Hauled
Rapides	285.82	CU YDS Hauled
St Charles	170	CU YDS Hauled
St Tammany	635.813	CU YDS Hauled
Terrebonne	5	CU YDS Hauled
Vermilion	6	CU YDS Hauled
Total	3,923.633	



### **SECTION 3 Summary of Activities - Next Reporting Cycle**

The LaDOTD plans to continue implementation during the next reporting cycle according to the implementation schedule attached as Appendix A. The implementation schedule indicates status and the expected completion date for each BMP.

### **SECTION 4 Proposed Changes to the SWMP**

No changes to the SWMP have been made within the current reporting period.